

What is claimed is:

1. A pole base assembly driving device for a tape recorder, comprising:  
a pole base assembly comprising a base member, and at least one pole member disposed on an upper surface of the base member;  
a loading gear rotatably disposed on the deck, and rotated by a driving force which is transmitted from a driving source installed on the deck; and  
an elastic rod connected by one end to the loading gear, and connected by the other end to a link member which is connected with the pole base assembly, the elastic rod being made of a material which is elastically bendable by an external force.
2. The pole base assembly driving device of claim 1, further comprising a deformation restricting means for restricting a deformation of the elastic rod when the elastic rod is deformed by the rotation of the loading gear.
3. The pole base assembly driving device of claim 2, wherein the deformation restricting means comprises a plurality of protrusions which are formed on a side of the elastic rod along a length direction and at predetermined intervals.
4. The pole base assembly driving device of claim 3, wherein the plurality of protrusions are formed on the side of the elastic rod which is concave when the elastic rod is bent by the rotation of the loading gear.
5. The pole base assembly driving device of claim 4, wherein the plurality of protrusions are formed in length and intervals such that when the elastic rod is deformed to a predetermined shape, the protrusions contact each other at leading ends.

6. The pole base assembly driving device of claim 3, wherein the elastic rod and the protrusions are formed integrally with each other.

7. The pole base assembly driving device of claim 6, wherein the elastic rod is formed integrally with the loading gear.

8. The pole base assembly driving device of claim 7, wherein the elastic rod and the loading gear comprise a synthetic resin material.

9. The pole base assembly driving device of claim 2, wherein the deformation restricting means comprises an elastic reinforcement member for reinforcing an elastic recovery force of the elastic rod when the elastic rod is returned to the original state during the unloading of the magnetic tape.

10. The pole base assembly driving device of claim 9, wherein the elastic reinforcement member is an iron core which is disposed along the length direction of the elastic rod.

11. A pole base assembly driving device, comprising:

a pole base assembly movably disposed on a deck so as to move along a moving path defined on the deck;

a link member being pivotally connected with one end to the pole base assembly;

a loading gear rotatably disposed on the deck; and

an elastic rod connecting the link member and the loading gear, the elastic rod being made of a material which is elastically bendable by a predetermined external force.

12. The pole base assembly driving device of claim 11, further comprising a plurality of protrusions formed on a side of the elastic rod and

wherein said elastic rod is concave when the elastic rod is bent by the rotation of the loading gear.

13. The pole base assembly driving device of claim 12, wherein the elastic rod and the protrusions are integrally formed with each other.

14. The pole base assembly driving device of claim 13, wherein the elastic rod is integrally formed with the loading gear.

15. The pole base assembly driving device of claim 12, further comprising an iron core which is disposed in the elastic rod along the length direction.